

Outgoing
M/001/0027

Peter Brinton <peterbrinton@utah.gov>

revised seed mix

Pearl Queen Perlite Mine (M/001/0027) - ~~seeded vs observed species~~

Peter Brinton <peterbrinton@utah.gov>

Wed, Sep 2, 2015 at 11:49 AM

To: "Andrea M. Antillon" <AAntillon@rcflp.com>, Kelly Rollins <rtrucking@scinternat.net>, Ed Ginouves <eginouve@blm.gov>

Cc: Paul Baker <paulbaker@utah.gov>, Lynn Kunzler <LYNNKUNZLER@utah.gov>

We thought it would be worth putting the revised seed mix together in one spot for clarity. Consider this the Division's recommended seed mix, which includes new species and an overall seed rate increase of 25% for the original species.

Species	2015 Seed Rate, NOI + 25% (PLS/acre)
Bluebunch Wheatgrass	2.5
Sandberg Bluegrass	0.625
Indian Ricegrass	2.5
Thickspike Wheatgrass	1.25
Palmer Penstamon	0.3125
Small Burnet	1.25
Northern Sweetvetch	0.625
Wyoming Big Sage	0.3125
Flourwing Saltbush	1.25
Cliffrose	1.25
Bitterbrush	1.25
Curleaf Mountain Mahogany	1.25
New Species to add in 2015:	
Crested Wheatgrass	0.5
Winterfat	2
Forage Kochia	0.5
Total	17.375

Peter

On Wed, Sep 2, 2015 at 8:49 AM, Peter Brinton <peterbrinton@utah.gov> wrote:

Hi Andrea, Kelly, and Ed,

After reviewing July 2014 photographs and the seed mix from the Notice of the Pearl Queen Perlite mine that was used to seed the SITLA areas (Pearl Queen pit and dumps, etc), and after discussion with Paul, we recommend that the following species be added to the mix:

- Crested wheatgrass @ 0.5 lbs/acre
- Winterfat @ 2 lbs PLS/acre
- Forage kochia @ 0.5 lbs/acre

These plant's were not in the mine's approved seed mix, but were observed throughout the revegetated site.

The source of their seed was likely the aerial seeding of the Milford Flats fire burn area.

The following species were not photographed at the site, but should be kept in the mix at this point using the approved rates:

- antelope bitterbrush
- curleaf mountain mahogany
- fourwing saltbush
- northern sweetvetch

When I'm at the site early this fall sometime, I'll double-check to confirm their absence. Sandberg bluegrass was also not readily observed, but is easy to miss, and should be kept in the mix. All of the other seeded species were present.

Volunteer rabbitbrush, blazingstar, and juniper were also found in varying quantities. No seeding of these species is necessary.

Peter

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